SUPPORTING INFORMATION

Tuning the Optoelectronic Properties of Iminodibenzyl-Triphenylamine Based Semiconductors: Hybrid Self-Powered Photodetector Applications

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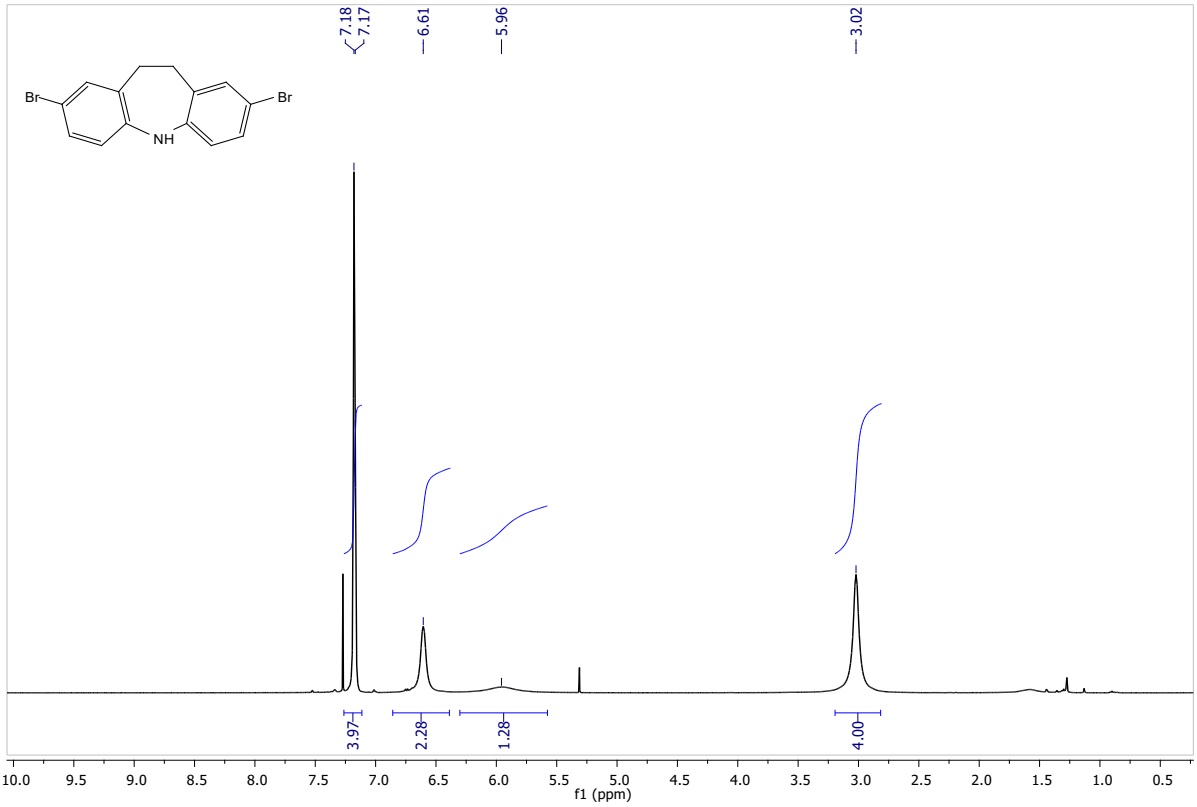


Fig S1. ^{1}H NMR spectrum of the compound **2** ($CDCl_3$).

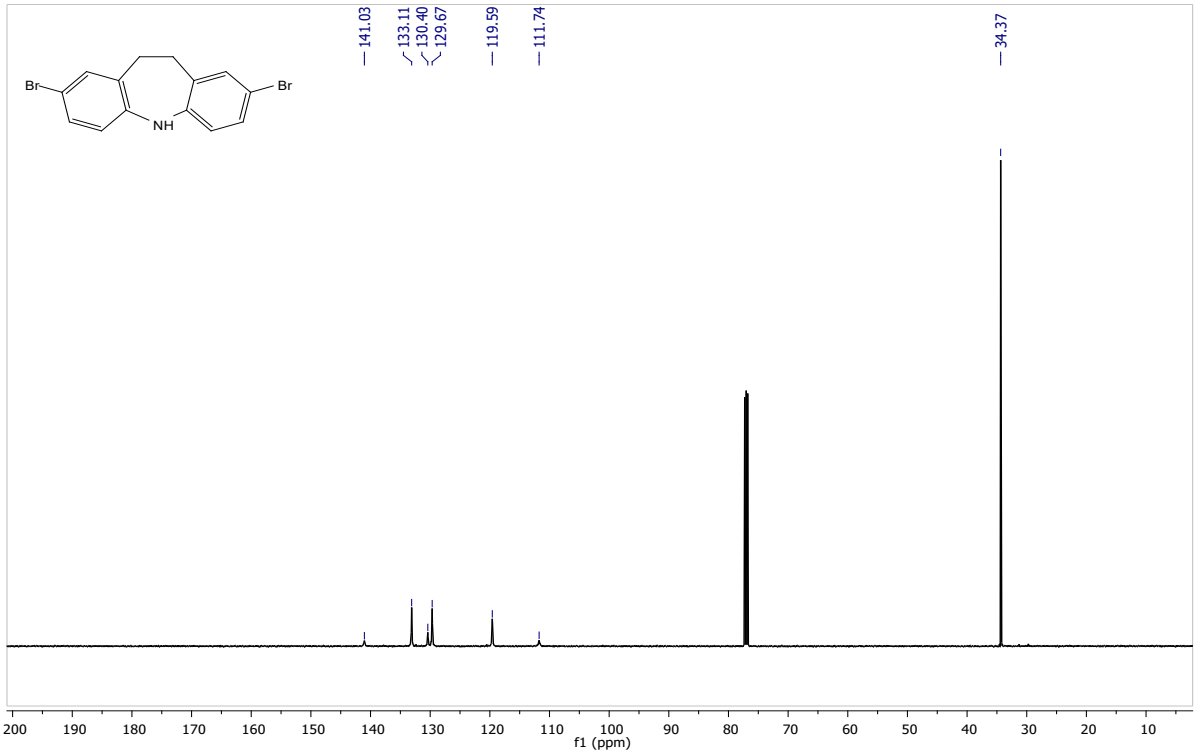


Fig S2. ^{13}C NMR spectrum of the compound **2** ($CDCl_3$).

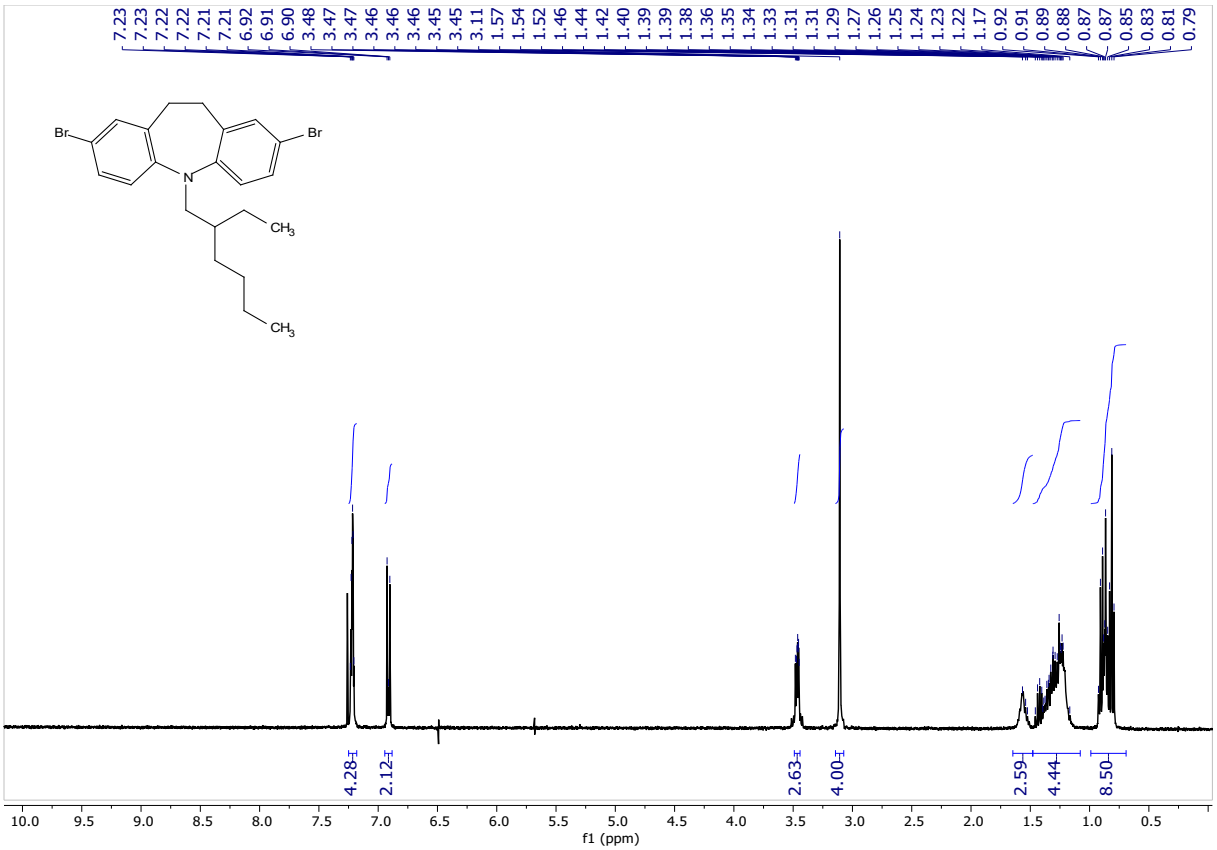


Fig S3. ^{1}H NMR spectrum of the compound **4** ($CDCl_3$).

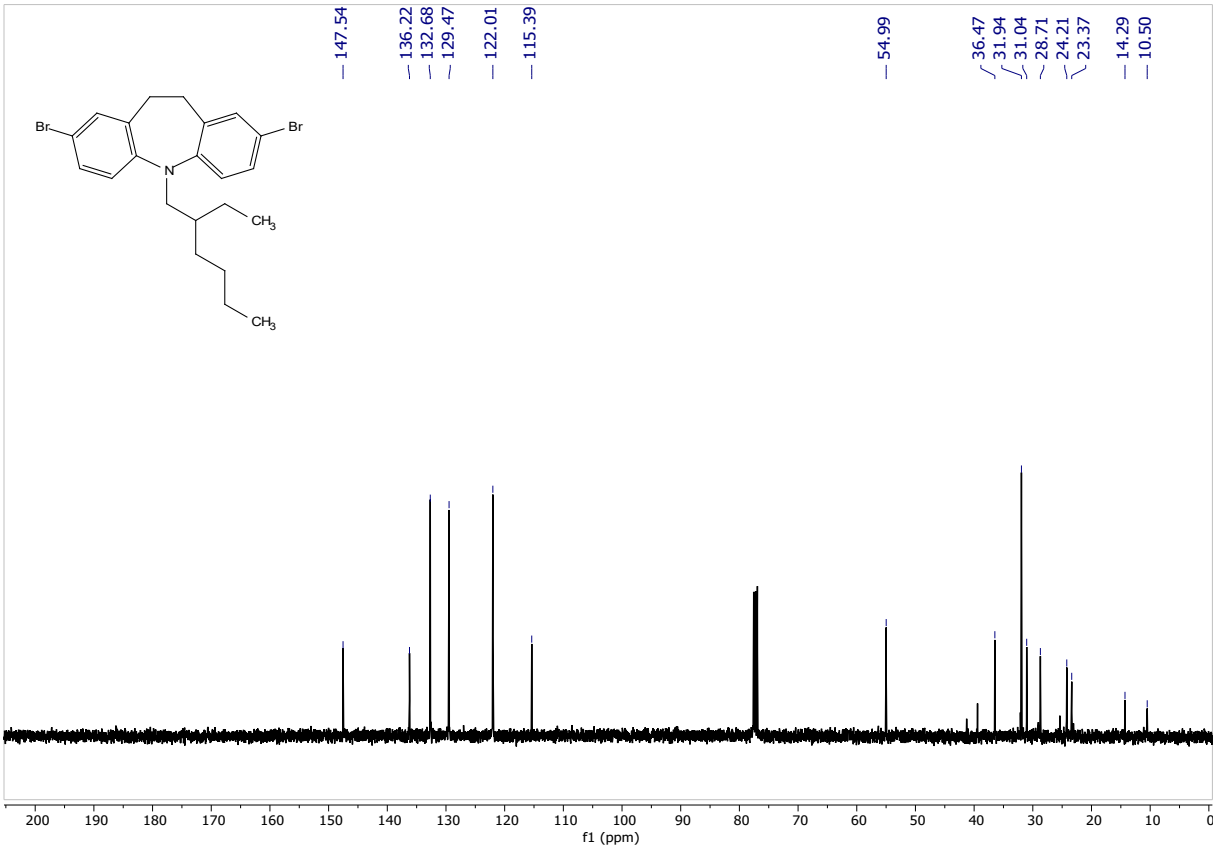


Fig S4. ^{13}C NMR spectrum of the compound **4** ($CDCl_3$).

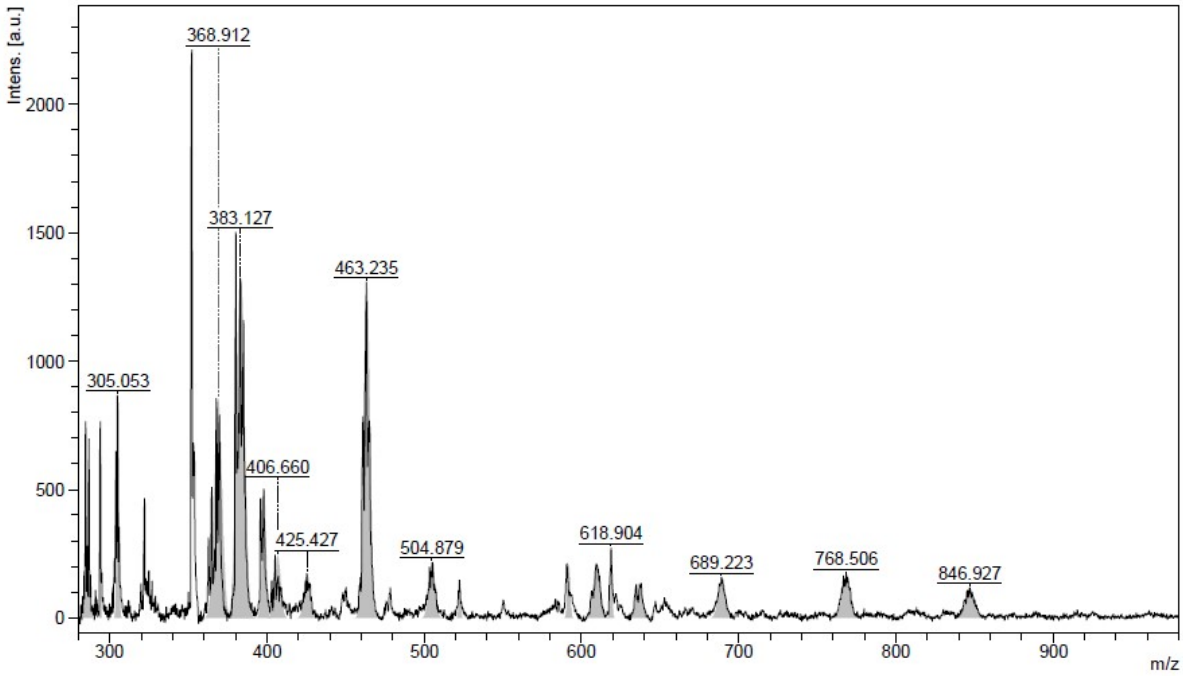


Fig S5. HRMS spectrum of the compound **4**.

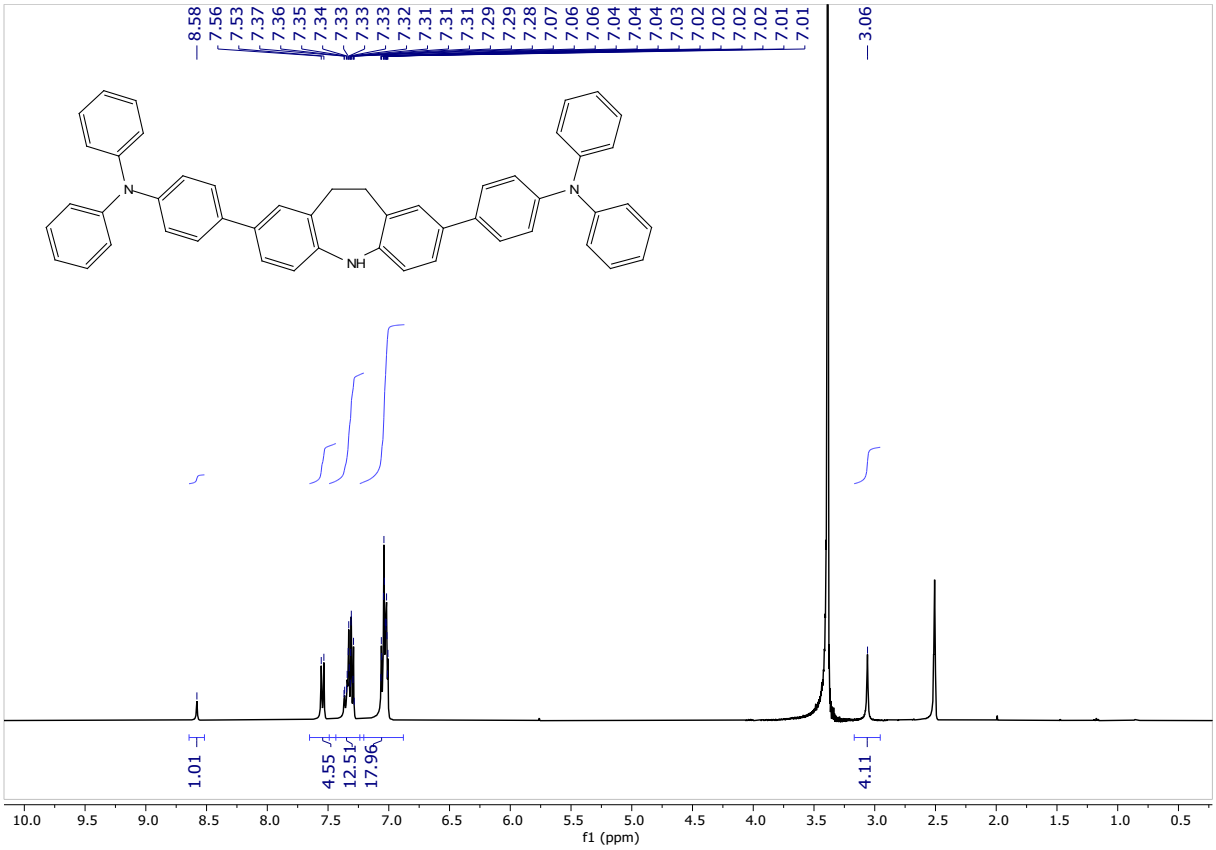


Fig S6. ^{1}H NMR spectrum of the IDB–TPA 1 (DMSO-d_6).

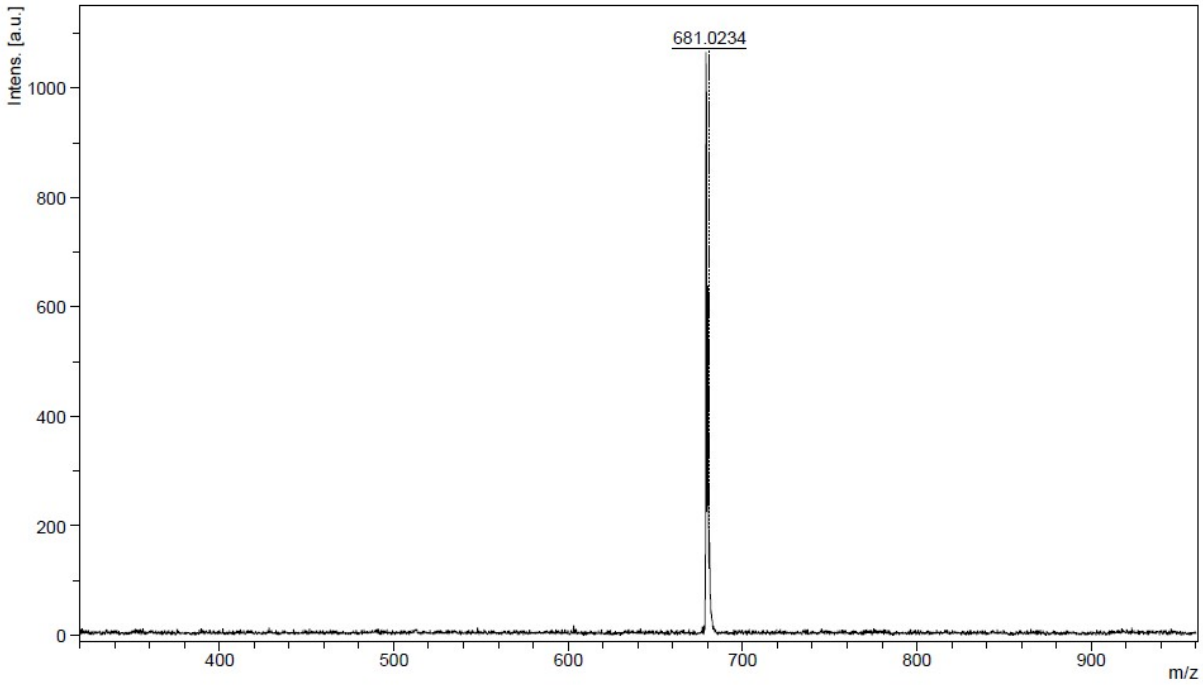


Fig S7. HRMS spectrum of the IDB–TPA 1.

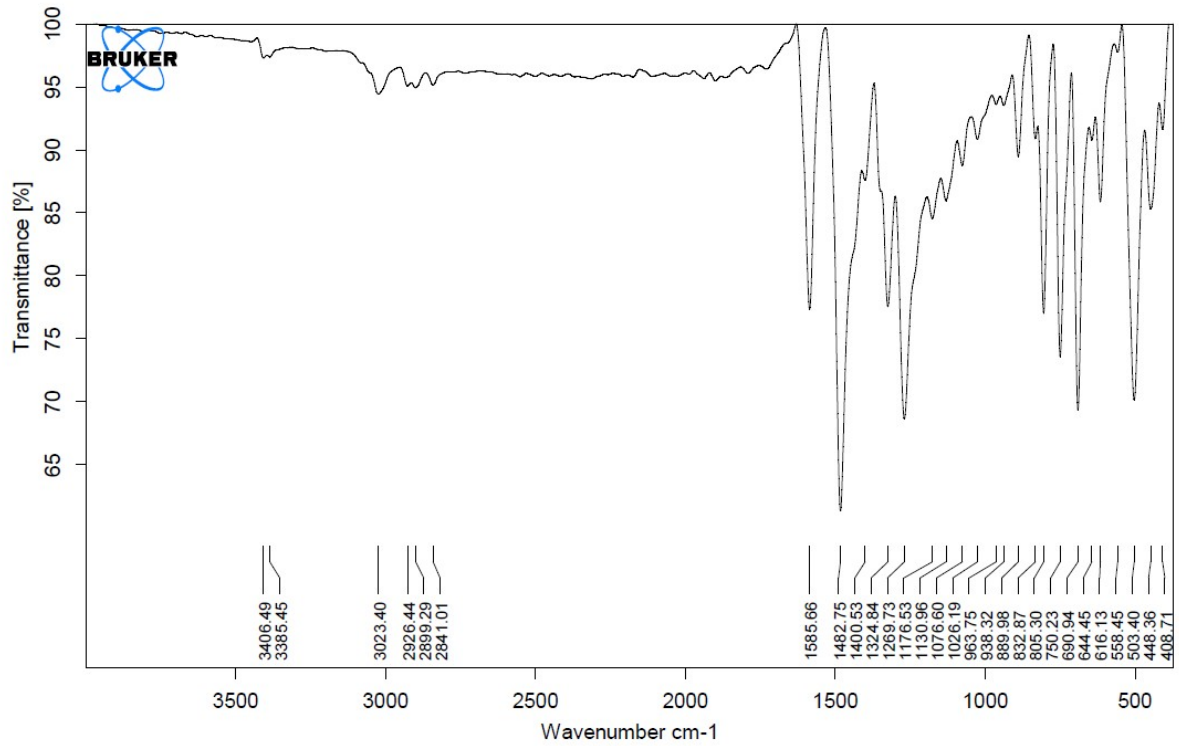


Fig S8. FTIR spectrum of the IDB–TPA 1.

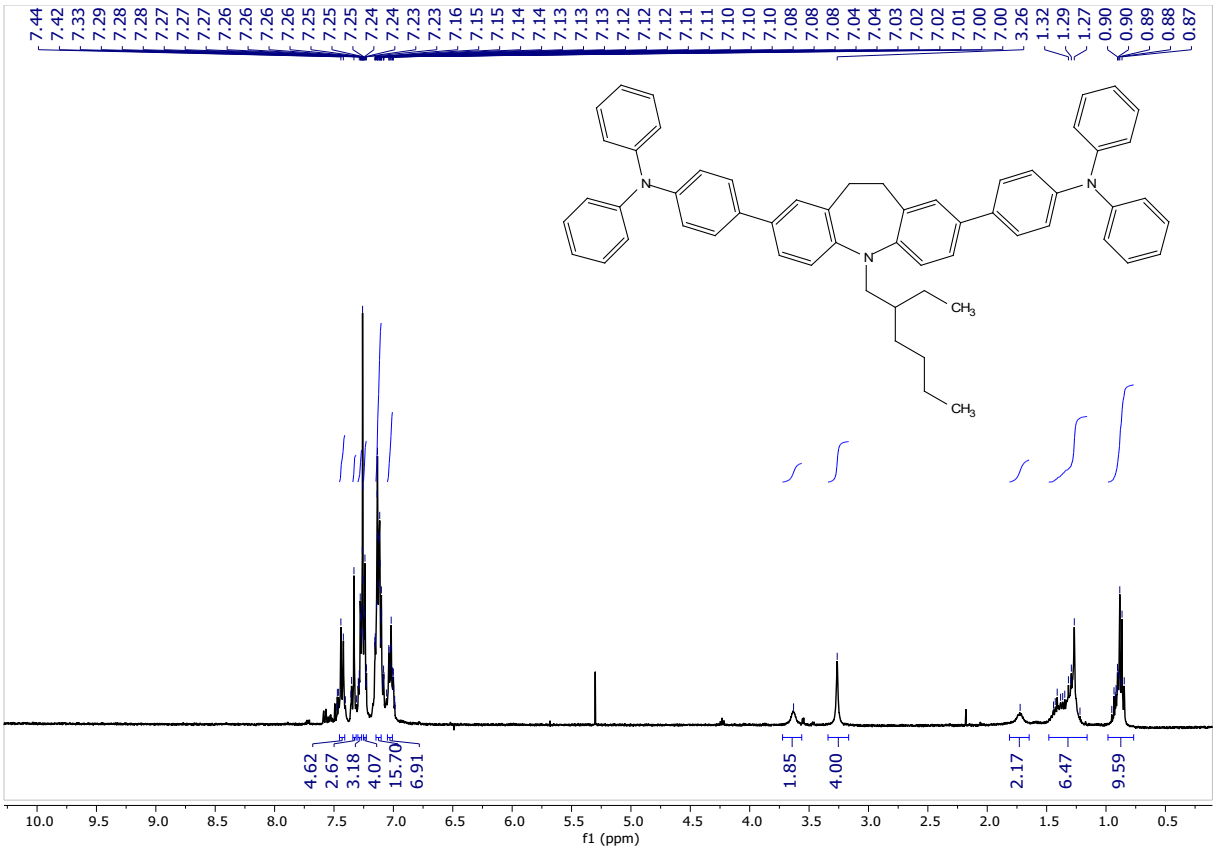


Fig S9. ^{1}H NMR spectrum of the IDB–TPA 2 ($CDCl_3$).

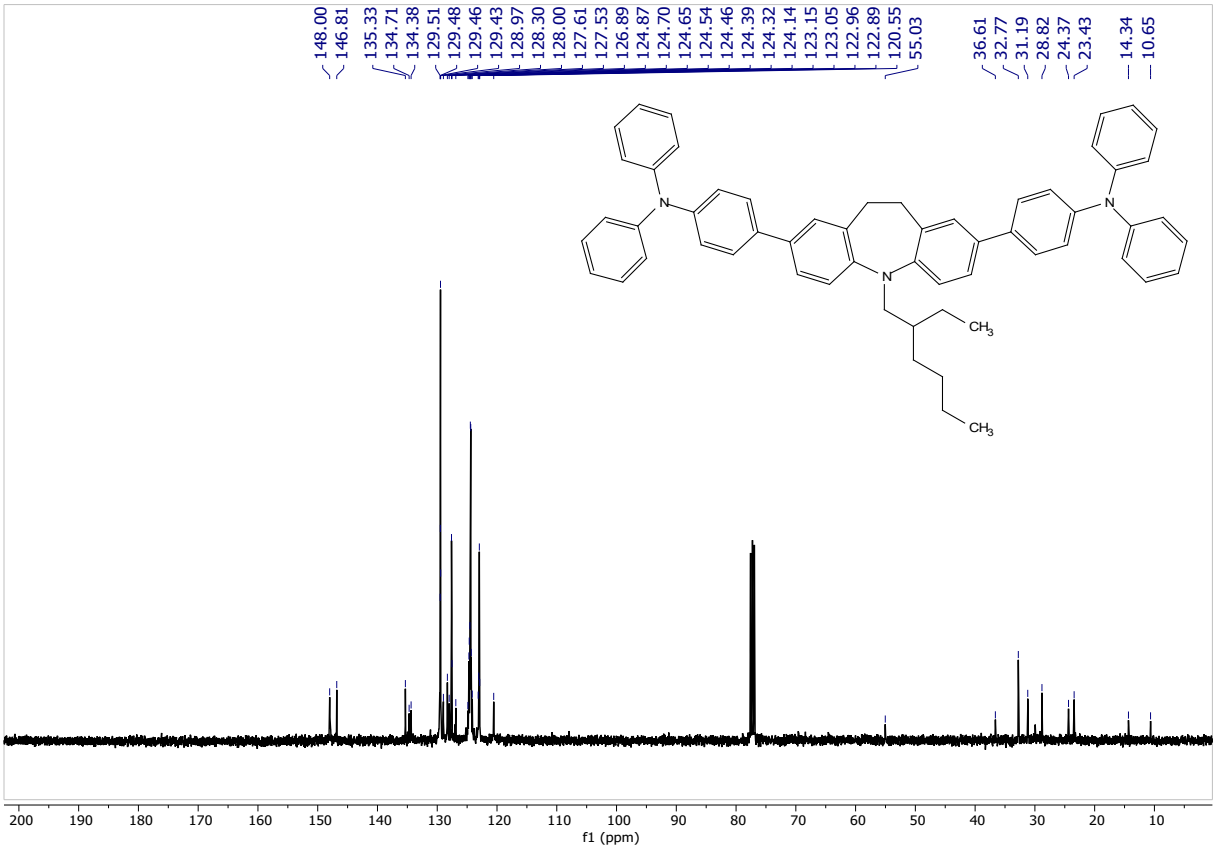


Fig S10. ^{13}C NMR spectrum of the IDB–TPA 2 ($CDCl_3$).

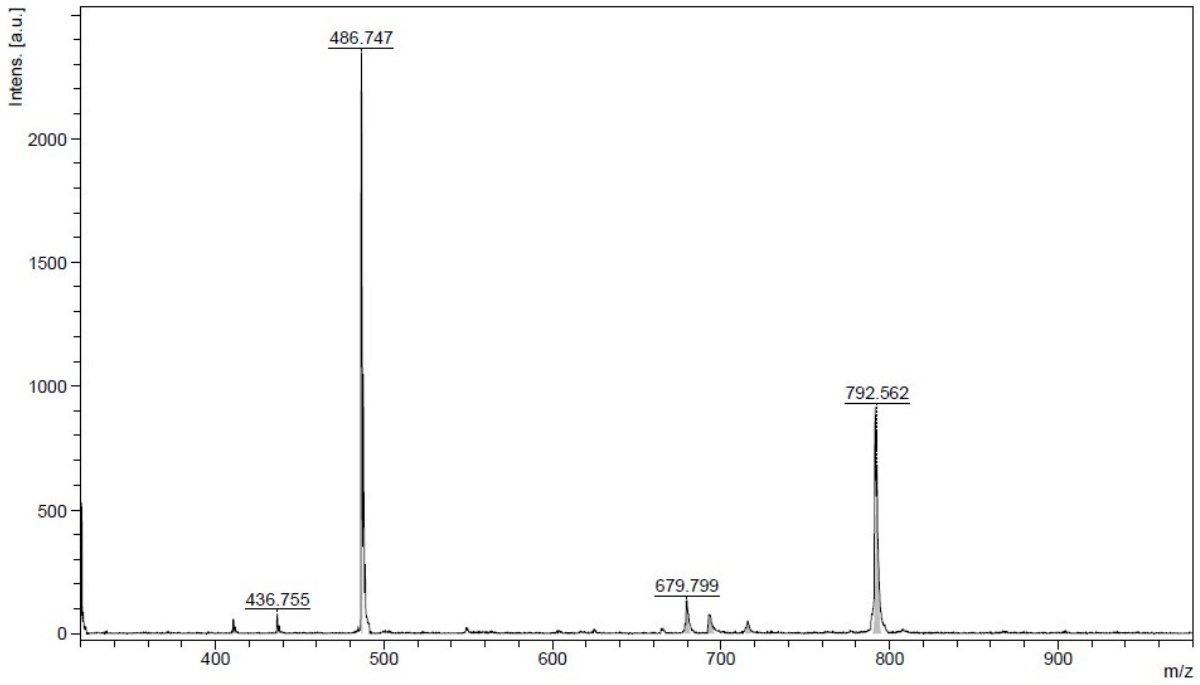


Fig S11. HRMS spectrum of the IDB–TPA 2.

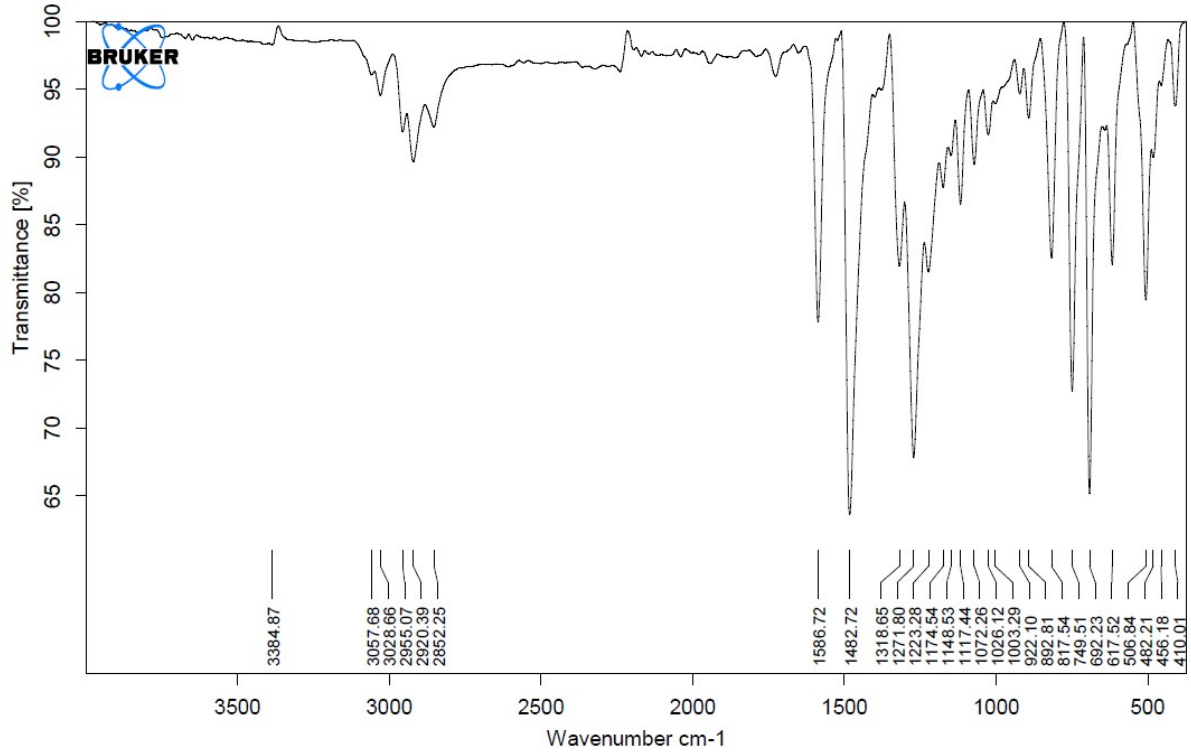
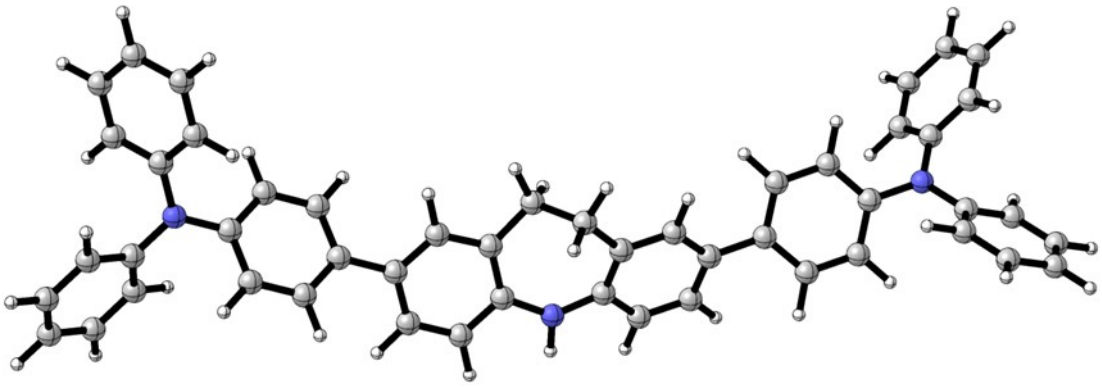


Fig S12. FTIR spectrum of the IDB–TPA 2.

Geometry computed at the M062x/6-311G(d,p) level (**IDB–TPA 1**)



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symmetry c1

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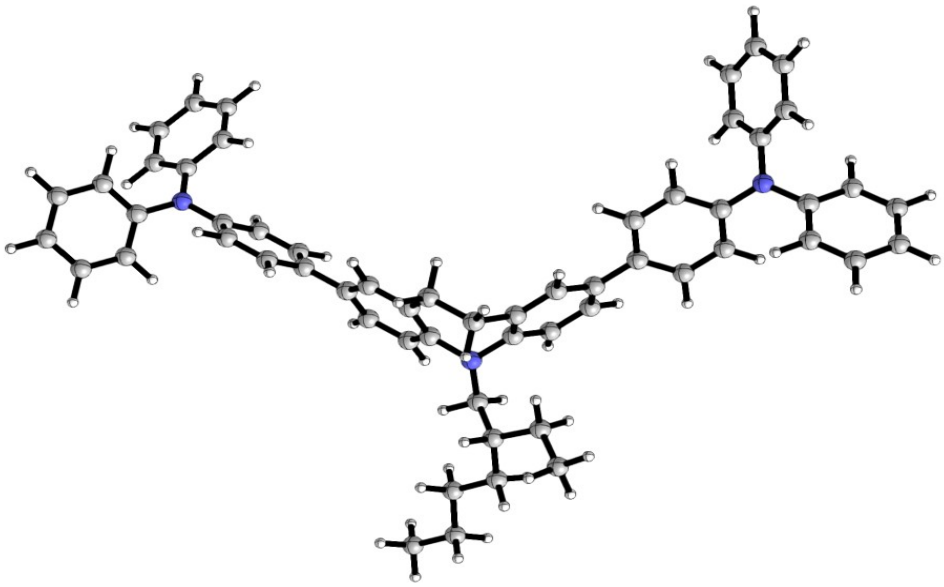
Geometry computed at the M062x/6-311G(d,p) level (**IDB–TPA 2**)



116

symmetry c1

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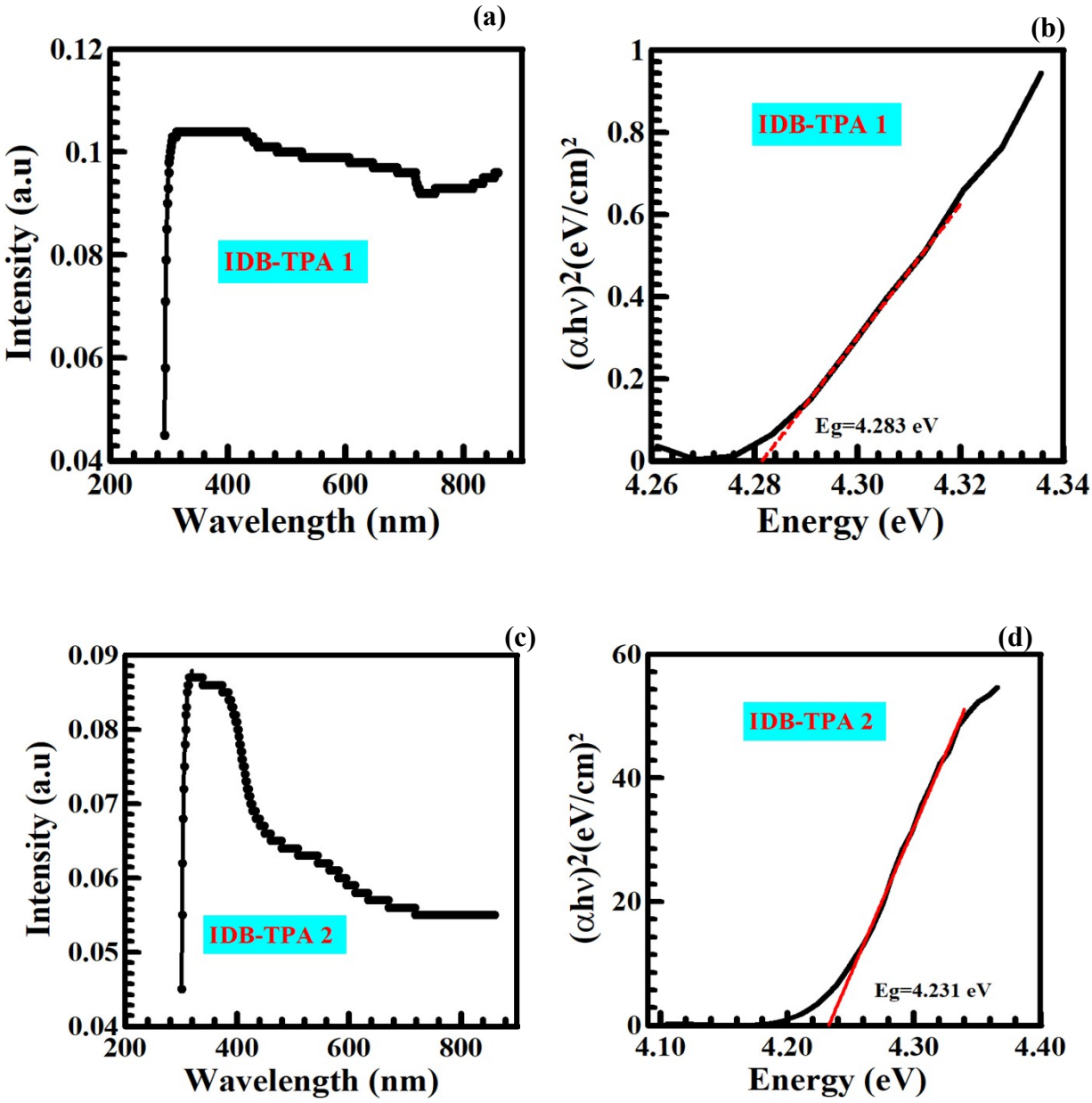

Fig S13 (a) UV-Vis absorption spectrum of IDB-TPA 1 and (**b**) its corresponding Tauc plot. (**c**) UV-Vis absorption spectrum of IDB-TPA 2 and (**d**) its corresponding Tauc plot.